

ABSTRACT

An anastomotic connector (200) for attaching two blood vessels comprising a plurality of eye segments (1604), each defining a channel and each including a part of an interlock mechanism (1600) on said channel; a plurality of hook segments (1602), each defining a tissue holding area, each adapted to pass through said channel and including a second part of said interlock mechanism (1600), wherein, said interlock mechanism (1600) engages for a hook and an eye segment when said hook segment (1602) is retracted back into said eye segment (1604) enough to attach two layers of vascular tissue between said eye segment (1604) and said hook segment (1602).